

Revised 12/04

CORRES. CONTROL  
INCOMING LTR NO.

00425 RFO4

DUE DATE  
ACTION



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

999 18<sup>TH</sup> STREET- SUITE 300  
DENVER, CO 80202-2466  
Phone 800-227-8917  
<http://www.epa.gov/region08>

RECEIVED

2004 DEC 22 P 6:39

CORRESPONDENCE  
CONTROL

DIST.	LTR	ENC
BERARDINI, J.H.	X	X
BOGNAR, E.S.	X	X
BROOKS, L.	X	X
CARPENTER, M.	X	X
CIUCCI, J.A.		
CROCKETT, G. A.		
DECK, C. A.	X	X
DEGENHART, K. R.		
DEL VECCHIO, D.		
DIETER, T. J.		
FERRERA, D. W.	X	X
GIACOMINI, J. J.		
LINDSAY, D. C.	X	X
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	X
NAGEL, R. E.	X	X
NESTA, S.		
NORTH, K.	X	X
SHELTON, D. C.	X	X
SPEARS, M. S.	X	X
TUOR, N. R.	X	X
WEMELT, K.	X	X
WILLIAMS, J. L.		
ZAHM, C.	X	X

Ref: EPR-F

Mr. Joe Legare  
Assistant Administrator for Environment and Stewardship  
US Department of Energy-RFFO  
10808 Highway 93, Unit A  
Golden CO 80403-8200

RE: East Face Design proposal 11/22/04

Dear Mr. Legare:

This is in response to your Slope Stability Analysis for the East Face of the Present Landfill sent November 22, 2004. Some discussion and update took place last week, and new models were provided to Pat Smith at our office on December 6. Technical staff met December 7 as follow-up to the modified proposal. Design Analyses were not provided for the two latest models.

Your initial proposal of November 22 indicated the existence of a former pond berm west of BH-3. The later models indicate BH-3 is east of the former berm. EPA appreciates your submittal of a more credible model, based on recent photo-interpretation by Bob Davis and Carl Spreng.

Observations made during the geotechnical field sampling event indicate 20'+ of trash in each uphill landfill borehole. This represents the presence of substantial waste east of the berm, not incidental amounts of trash. Of the three models presented, an appropriate cover for this condition is met in Option B enclosed, submitted on December 6.

A comprehensive design analysis will be required to show that the design slope is technically feasible. The analysis should also account for the following:

- The Present Landfill draft IM/IRA of July 1995 indicates an area of active landslide underlying the proposed north slope of the East Face.
- The post-landslide hillside is 8v:1h, a much lower slope than the proposed 4v:1h. This suggests the north and south slopes should not be steepened without additional geotechnical supporting data.
- The same document identifies a fault cutting through the landfill and below it. The fault and the landslide area should be in the narrative of the design analysis

COR. CONTROL	X	X
ADMIN. RECORD	X	X
PATS/130		

Reviewed for Addressee  
Corres. Control RFP

12/22/04  
Date By

Ref. Ltr. #

DOE ORDER #

5400-1

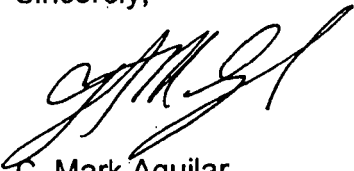
ADMIN RECORD

BZ-A-000780

and on construction drawings for reference.

We agree that time is of the essence and approve the Option B concept received this week for further design development. A complete design of the East Face and supporting calculations should provide justification for the final slope for the entire East Face of the Present Landfill. This should include details of how the East Face construction will tie into the west area construction. This comprehensive design analysis should be provided in the revised Appendix G. For further discussion on this matter, you may call me at 303-312-6251 or Pat Smith at 303-312-6504.

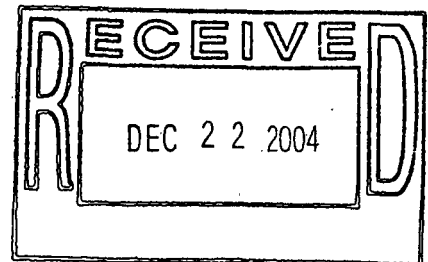
Sincerely,

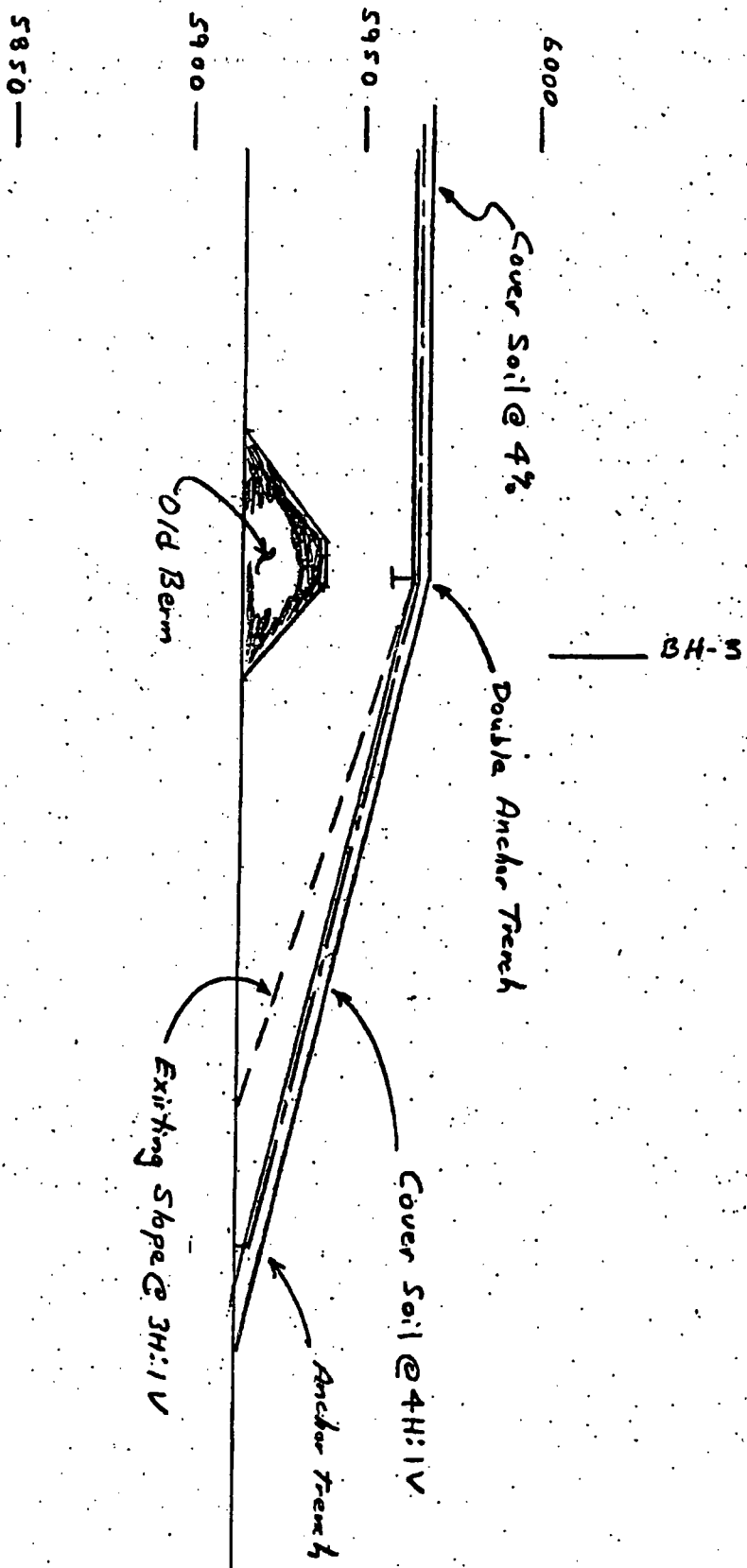


C. Mark Aguilar  
Rocky Flats Project Manager

Enclosure

cc: Max Dodson, EPA  
Frasier Lockhart, DOE  
Gary Bauman, CDPHE  
Dave Shelton, K-H  
Steve Gunderson, CDPHE  
Mark Sattelberg, USF&W  
Administrative Record, T130G





OPTION B - Geosynthetic Liner Cover

1"=50' (V & H)